

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.**

Application Serial Number: 10/784,589A  
Source: IFW16  
Date Processed by STIC: 3/21/06

# ***ENTERED***



IFW16

## RAW SEQUENCE LISTING

DATE: 03/21/2006

PATENT APPLICATION: US/10/784,589A

TIME: 08:52:07

Input Set : A:\82181361.APP

Output Set: N:\CRF4\03212006\J784589A.raw

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3 <110> APPLICANT: TCHISTIAKOVA, LIOUDMILA
4     LI, SHENGMIN
5     PIETRZYNSKI, GRZEGORZ
6     ALAKHOV, VALERY
8 <120> TITLE OF INVENTION: LIGAND FOR VASCULAR ENDOTHELIAL GROWTH FACTOR RECEPTOR
10 <130> FILE REFERENCE: 082181-36154 CON
12 <140> CURRENT APPLICATION NUMBER: 10/784,589A
13 <141> CURRENT FILING DATE: 2004-02-23
15 <150> PRIOR APPLICATION NUMBER: 09/775,743
16 <151> PRIOR FILING DATE: 2001-02-02
18 <160> NUMBER OF SEQ ID NOS: 43
20 <170> SOFTWARE: PatentIn Ver. 3.3
22 <210> SEQ ID NO: 1
23 <211> LENGTH: 16
24 <212> TYPE: PRT
25 <213> ORGANISM: Artificial Sequence
27 <220> FEATURE:
28 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
29     peptide
31 <220> FEATURE:
32 <221> NAME/KEY: MOD_RES
33 <222> LOCATION: (16)
34 <223> OTHER INFORMATION: AMIDATION
36 <400> SEQUENCE: 1
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38   1           5           10           15
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42 <211> LENGTH: 17
43 <212> TYPE: PRT
44 <213> ORGANISM: Artificial Sequence
46 <220> FEATURE:
47 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
48     peptide
50 <220> FEATURE:
51 <221> NAME/KEY: MOD_RES
52 <222> LOCATION: (17)
53 <223> OTHER INFORMATION: AMIDATION
55 <400> SEQUENCE: 2
56 Cys Asn Gly Tyr Glu Ile Glu Trp Tyr Ser Trp Val Thr His Gly Met
57   1           5           10           15
59 Tyr
63 <210> SEQ ID NO: 3
64 <211> LENGTH: 17

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65 <212> TYPE: PRT
66 <213> ORGANISM: Artificial Sequence
68 <220> FEATURE:
69 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
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73 <221> NAME/KEY: MOD_RES
74 <222> LOCATION: (1)
75 <223> OTHER INFORMATION: ACETYLATION
77 <220> FEATURE:
78 <221> NAME/KEY: MOD_RES
79 <222> LOCATION: (17)
80 <223> OTHER INFORMATION: AMIDATION
82 <400> SEQUENCE: 3
83 Cys Asn Gly Tyr Glu Ile Glu Trp Tyr Ser Trp Val Thr His Gly Met
84   1           5           10           15
86 Tyr
90 <210> SEQ ID NO: 4
91 <211> LENGTH: 16
92 <212> TYPE: PRT
93 <213> ORGANISM: Artificial Sequence
95 <220> FEATURE:
96 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
97     peptide
99 <220> FEATURE:
100 <221> NAME/KEY: MOD_RES
101 <222> LOCATION: (1)
102 <223> OTHER INFORMATION: Fam-Asn
104 <220> FEATURE:
105 <221> NAME/KEY: MOD_RES
106 <222> LOCATION: (16)
107 <223> OTHER INFORMATION: AMIDATION
109 <400> SEQUENCE: 4
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115 <211> LENGTH: 19
116 <212> TYPE: PRT
117 <213> ORGANISM: Artificial Sequence
119 <220> FEATURE:
120 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
121     peptide
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124 <221> NAME/KEY: MOD_RES
125 <222> LOCATION: (1)
126 <223> OTHER INFORMATION: Fam-Glu
128 <220> FEATURE:
129 <221> NAME/KEY: MOD_RES
130 <222> LOCATION: (19)

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131 <223> OTHER INFORMATION: AMIDATION
133 <400> SEQUENCE: 5
134 Glu Glu Glu Asn Gly Tyr Glu Ile Glu Trp Tyr Ser Trp Val Thr His
135   1           5           10           15
137 Gly Met Tyr
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142 <211> LENGTH: 15
143 <212> TYPE: PRT
144 <213> ORGANISM: Artificial Sequence
146 <220> FEATURE:
147 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
148     peptide
150 <220> FEATURE:
151 <221> NAME/KEY: MOD_RES
152 <222> LOCATION: (1)
153 <223> OTHER INFORMATION: Fam-Asn
155 <220> FEATURE:
156 <221> NAME/KEY: MOD_RES
157 <222> LOCATION: (15)
158 <223> OTHER INFORMATION: AMIDATION
160 <400> SEQUENCE: 6
161 Asn Gly Tyr Ile Glu Trp Tyr Ser Trp Val Thr His Gly Met Tyr
162   1           5           10           15
165 <210> SEQ ID NO: 7
166 <211> LENGTH: 16
167 <212> TYPE: PRT
168 <213> ORGANISM: Artificial Sequence
170 <220> FEATURE:
171 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
172     peptide
174 <220> FEATURE:
175 <221> NAME/KEY: MOD_RES
176 <222> LOCATION: (2)..(3)
177 <223> OTHER INFORMATION: Variable amino acid
179 <220> FEATURE:
180 <221> NAME/KEY: MOD_RES
181 <222> LOCATION: (7)..(9)
182 <223> OTHER INFORMATION: Variable amino acid
184 <220> FEATURE:
185 <221> NAME/KEY: MOD_RES
186 <222> LOCATION: (11)..(15)
187 <223> OTHER INFORMATION: Variable amino acid
189 <400> SEQUENCE: 7
W--> 190 Asn Xaa Xaa Glu Ile Glu Xaa Xaa Xaa Trp Xaa Xaa Xaa Xaa Xaa Tyr
191   1           5           10           15
194 <210> SEQ ID NO: 8
195 <211> LENGTH: 16
196 <212> TYPE: PRT
197 <213> ORGANISM: Artificial Sequence

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199 <220> FEATURE:
200 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
201     peptide
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204 <221> NAME/KEY: MOD_RES
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206 <223> OTHER INFORMATION: Asn or Gln
208 <220> FEATURE:
209 <221> NAME/KEY: MOD_RES
210 <222> LOCATION: (2)..(3)
211 <223> OTHER INFORMATION: Variable amino acid
213 <220> FEATURE:
214 <221> NAME/KEY: MOD_RES
215 <222> LOCATION: (4)
216 <223> OTHER INFORMATION: Negatively charged amino acid comprising of Glu
217     or Asp
219 <220> FEATURE:
220 <221> NAME/KEY: MOD_RES
221 <222> LOCATION: (5)
222 <223> OTHER INFORMATION: Ile, Leu, Val, or Met
224 <220> FEATURE:
225 <221> NAME/KEY: MOD_RES
226 <222> LOCATION: (6)
227 <223> OTHER INFORMATION: Negatively charged amino acid comprising of Glu
228     or Asp
230 <220> FEATURE:
231 <221> NAME/KEY: MOD_RES
232 <222> LOCATION: (7)..(9)
233 <223> OTHER INFORMATION: Variable amino acid
235 <220> FEATURE:
236 <221> NAME/KEY: MOD_RES
237 <222> LOCATION: (10)
238 <223> OTHER INFORMATION: Aromatic amino acid comprising of Trp, Phe, Tyr,
239     or His
241 <220> FEATURE:
242 <221> NAME/KEY: MOD_RES
243 <222> LOCATION: (11)..(15)
244 <223> OTHER INFORMATION: Variable amino acid
246 <220> FEATURE:
247 <221> NAME/KEY: MOD_RES
248 <222> LOCATION: (16)
249 <223> OTHER INFORMATION: Aromatic amino acid comprising of Tyr, Trp, Phe,
250     or His
252 <400> SEQUENCE: 8
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254     1           5           10          15
257 <210> SEQ ID NO: 9
258 <211> LENGTH: 69
259 <212> TYPE: DNA

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Output Set: N:\CRF4\03212006\J784589A.raw

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260 <213> ORGANISM: Artificial Sequence
262 <220> FEATURE:
263 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
264     oligonucleotide
266 <400> SEQUENCE: 9
267 gggccggttaa cgggtacgag atcgagtggg actcgtgggt cacgcacggg atgtacgggtg 60
268 gcgcttctg                                     69
271 <210> SEQ ID NO: 10
272 <211> LENGTH: 69
273 <212> TYPE: DNA
274 <213> ORGANISM: Artificial Sequence
276 <220> FEATURE:
277 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
278     oligonucleotide
280 <400> SEQUENCE: 10
281 gggccgggtcc ggagcccagag gtccggttga gtccgccggg tcatatccag tcgctcgggtg 60
282 gcgcttctg                                     69
285 <210> SEQ ID NO: 11
286 <211> LENGTH: 69
287 <212> TYPE: DNA
288 <213> ORGANISM: Artificial Sequence
290 <220> FEATURE:
291 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
292     oligonucleotide
294 <400> SEQUENCE: 11
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296 gcgcttctg                                     69
299 <210> SEQ ID NO: 12
300 <211> LENGTH: 10
301 <212> TYPE: DNA
302 <213> ORGANISM: Artificial Sequence
304 <220> FEATURE:
305 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
306     oligonucleotide
308 <400> SEQUENCE: 12
309 aagcgccacc                                     10
312 <210> SEQ ID NO: 13
313 <211> LENGTH: 11
314 <212> TYPE: DNA
315 <213> ORGANISM: Artificial Sequence
317 <220> FEATURE:
318 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
319     oligonucleotide
321 <400> SEQUENCE: 13
322 accggccccg t                                     11
325 <210> SEQ ID NO: 14
326 <211> LENGTH: 16
327 <212> TYPE: PRT
328 <213> ORGANISM: Artificial Sequence

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RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/10/784,589A

DATE: 03/21/2006  
TIME: 08:52:08

Input Set : A:\82181361.APP  
Output Set: N:\CRF4\03212006\J784589A.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:7; Xaa Pos. 2,3,7,8,9,11,12,13,14,15 ✓  
Seq#:8; Xaa Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16 ✓

**VERIFICATION SUMMARY**

DATE: 03/21/2006

PATENT APPLICATION: US/10/784,589A

TIME: 08:52:08

Input Set : A:\82181361.APP

Output Set: N:\CRF4\03212006\J784589A.raw

L:190 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:0

L:253 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:0